

## CLAIM AMENDMENTS

### IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

Claims 1-16. (cancelled)

Claim 17. **(Currently Amended)**: A method for encoding an XML-based document including contents according to an XML schema language definition, said method comprising the steps of:

generating a coded binary representation of the document by assigning binary structure codes to the contents of the document via code tables, wherein an element of a complex data type with a mixed content model comprises a parent node having a binary structure code and in a first hierarchical plane below said parent node a plurality of element nodes having binary structure codes, and

assigning a structure codes-code to textual ~~contents~~ content of ~~a~~ the element of the complex ~~type~~ data type with a mixed content model as an element node in the first hierarchical plane ~~to allow the textual content to be filtered out from the binary representation so that subsequent decoding does not have to decode the entire binary representation.~~

Claim 18. (previously presented): The method according to claim 17, wherein the assignment of the structure codes to the textual contents of a complex type data type with mixed content model is effected exclusively via OperandTBC coding tables.

Claim 19. (previously presented): The method according to claim 17, wherein the textual contents of a complex type data type with the mixed content model are further assigned position codes.

Claim 20. (previously presented): The method according to claim 19, wherein single element position codes and/or multiple element position codes are used in the assignment of the position codes.

Claim 21. (previously presented): The method according to claim 19, wherein the position codes are encoded using codes of variable length.

Claim 22. (previously presented): The method according to claim 21, wherein the position codes are encoded using the a code vluimsbf5.

Claim 23. (Currently Amended): A method for decoding a coded binary representation of an XML-based document, comprising:

receiving a coded binary representation of the document by assigning binary structure codes to the contents of the document via code tables, wherein an element of a complex data type with a mixed content model comprises a parent node having a binary structure code and in a first hierarchical plane below said parent node a plurality of element nodes having binary structure codes;

assigning a structure codes to textual contents of the element of ~~a the~~ complex-type data type with a mixed content model as an element node in the first hierarchical plane ~~to allow the textual content to be filtered out from the binary representation so that subsequent decoding does not have to decode the entire binary representation;~~ and

converting the assigned structure codes into the textual contents of the XMLbased document that were assigned to the structure codes.

Claim 24. (previously presented): The method as claimed in claim 23, wherein the assignment is effected by means of structure codes (SBC) via OperandTBC coding tables.

Claim 25. (previously presented): The method as claimed in claim 23 wherein binary representations of textual contents of a "complex type" data type with the "mixed" content model, addressed by means of "position codes", are further converted into textual contents at the assigned position.

Claim 26. (previously presented): The method as claimed in claim 25, wherein the "position codes" comprise "single element position codes" (SPC) and/or "multiple element position codes" (MPC).

Claim 27. (previously presented): The method as claimed in claim 25, wherein the "position codes" are encoded using codes of variable length.

Claim 28. (previously presented): The method as claimed in claim 27, wherein the "position codes" are encoded using a code vluimsbf5.

Claim 29. **(Currently Amended)**: A device for encoding XML-based documents including contents according to an XML schema language definition, comprising:

means for generating a coded binary representation of the document by assigning binary structure codes to the contents of the document via code tables, wherein an element of a complex data type with a mixed content model comprises a parent node having a binary structure code and in a first hierarchical plane below said parent node a plurality of element nodes having binary structure codes;

means for assigning a structure codes to textual contents of ~~a~~ the element of the complex-type data type with a mixed content model as an element node in the first hierarchical plane ~~to allow the textual content to be filtered out from the binary representation so that subsequent decoding does not have to decode the entire binary representation.~~

Claim 30. (Currently Amended): A device for decoding XML-based documents including contents according to an XML schema language definition, comprising:

means for generating a coded binary representation of the document by assigning binary structure codes to the contents of the document via code tables, wherein an element of of a complex data type with a mixed content model comprises a parent node having a binary structure code and in a first hierarchical plane below said parent node a plurality of element nodes having binary structure codes;

means for assigning a structure codes to textual contents of the element of a ~~the~~ complex-type data type with a mixed content model as an element node in the first hierarchical plane ~~to allow the textual content to be filtered out from the binary representation so that subsequent decoding does not have to decode the entire binary representation;~~ and

means for converting the assigned structure codes into the textual contents of the XML-based document that were assigned to the structure codes.